EP 1 026 897 A3 (11)

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3: 30.08.2000 Bulletin 2000/35

(43) Date of publication A2: 09.08.2000 Bulletin 2000/32

(21) Application number: 00105878.3

(22) Date of filing: 29.05.1997

(51) Int. Cl.⁷: **H04N 7/10**, H04N 7/12, H04N 7/16

(84) Designated Contracting States:

AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC **NL PT SE**

Designated Extension States: AL LT LV RO SI

(30) Priority: 11.03.1997 US 815168

(62) Document number(s) of the earlier application(s) in accordance with Art. 76 EPC: 97929711.6 / 0 965 227

(71) Applicant: ACTV, INC. New York, NY 10020 (US) (72) Inventors:

Freeman, Michael J. New York, NY 10020 (US)

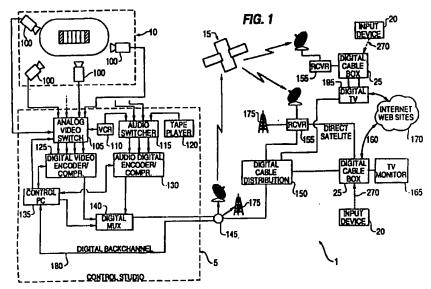
· Uilman, Craig New York, NY 10020 (US)

(74) Representative: Needle, Jacqueline W.H. BECK, GREENER & CO 7 Stone Buildings Lincoln's Inn London WC2A 3SZ (GB)

A digital interactive system for providing full interactivity with live programming events (54)

The present invention relates to an interactive digital system (1) enabling viewers full and active participation in experiencing a live broadcast event. Particularly, the presentation of the live event is personalized for the viewer through the provision of options, including multiple video streams, associated with different cam-

era angles, for example, and integrated audio and graphic segments. Further, information obtained from related Web sites can be integrated into the live pro-





EUROPEAN SEARCH REPORT

Application Number EP 00 10 5878

0-1	Citation of document with in	dication, where appropriate,	Relevant	CLASSIFICATION OF THE
Category	of relevant pass		to claim	APPLICATION (Int.CI.7)
X Y	WO 96 37075 A (ACTV 21 November 1996 (1		1-4,8,9 35-38, 40-42 11,12, 15, 17-19,	H04N7/10 H04N7/12 H04N7/16
	* page 6, line 11 - * page 9, line 18 - * page 10, line 18 * page 12, line 3 -	line 20 * - page 11, line 19 *	24-28, 30-34, 43-45	
	* page 18, line 6 -	line 8 *	<u> </u>	ļ
x	US 5 585 858 A (FRE 17 December 1996 (1	EMAN MICHAEL J ET AL) 996-12-17)	14,16,2	
Υ		·	15, 17-19, 24-28,	
			30,31, 33,34,	TECHNICAL FIELDS SEARCHED (InLCL7)
	* column 7, line 12 * column 9, line 6 * column 14, line 1	- line 13 *	43-45	H04N
Y	vol. 68, no. 18, 16 August 1996 (199 XP000631189 ISSN: 0016-2841	TV MIT INTERNET" S-VERLAG K.G. MUNCHEN, 6-08-16), pages 70-71, olumn, paragraph 2 *		
Y	US 5 600 364 A (BON 4 February 1997 (19 * column 30, line 1	NER ALFRED E ET AL) 97-02-04) 4 - line 49 *	32	
		-/		
·	The present search report has	peen drawn up for all claims	7	
	Place of search	Date of completion of the search		Exeminer
	THE HAGUE	3 July 2000	Sii	ndic, G
X : part Y : part door A : tech	ATEGORY OF CITED DOCUMENTS ioularly relevant if baken alone ioularly relevant if combined with anot iment of the same outsgory including all background written disolosure	E : earlier patent after the filing D : document cite L : document cite	iple underlying the document, but publi date d in the application d for other reasons a same patent famili	ished on, or



EUROPEAN SEARCH REPORT

Application Number EP 00 10 5878

degory	Citation of document with indication of relevant passages	n, where appropriate,	Relevant to claim	CLASSIFICATION OF THE APPLICATION (InLCL7)
γ	"EarthWeb and ACTV Unv Breakthrough" [ONLINE], 25 March 1996 (1996-03 XP002141659 Retrieved from the Inte <url:www.hypertv.com pr<br="">[retrieved on 1997-08-2 * page 1, paragraph 2 *</url:www.hypertv.com>	-25), pages 1-2, rnet: ess.html> 1]	11,12	
				TECHNICAL FIELDS SEARCHED (Int.Cl.7)
	The present search report has been dr			
Place of search THE HAGUE		Date of completion of the search 3 July 2000	Sin	Examiner dic, G
X : perti Y : perti docu	ATEGORY OF CITED DOCUMENTS outarly relevant if taken alone outarly relevant if combined with another ment of the same eategory nological background	T : theory or princi E : earlier patent d after the filing d D : document obse L : document exed	ple underlying the in cournent, but public ate I in the application for other reasons	vention

ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO.

EP 00 10 5878

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

03-07-2000

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 9637075	A 21-11-1996	US 5724091 A	03-03-1998
		AU 5864996 A	29-11-1996
1		EP 0826287 A	04-03-1998
		US 5861881 A	19-01-1999
US 5585858	A 17-12-1996	US 5537141 A	16-07-1996
1		AU 688496 B	12-03-1998
1		AU 2290895 A	07-03-1996
}		BR 9506316 A	05-08-1997
l _i		CA 2173996 A	22-02-1996
		EP 0723729 A	31-07-1996
		JP 9504156 T	22-04-1997
		WO 9605699 A	22-02-1996
}		AU 686795 B	12-02-1998
1		AU 2290795 A	10-11-1995
1		EP 0755608 A	29-01-1997
		WO 9528804 A	26-10-1995
US 5600364	A 04-02-1997	AU 693148 B	25-06-1998
Į.		AU 1430695 A	19-06-1995
ļ		BR 9408211 A	26-08-1997
		CA 2177153 A	08-06-1995
ţ		EP 0732031 A	18-09-1996
		EP 0963116 A	08-12-1999
		JP 9510327 T	14-10-1997
		NZ 278185 A	27-04-1998
		WO 9515658 A	08-06-1995
		AT 177277 T	15-03-1999
		AT 176840 T	15-03-1999
		AT 192005 T	15-05-2000
		AT 190180 T	15-03-2000
		AT 183352 T AT 176841 T	15-08-1999
			15-03-1999 10-02-2000
		AU 715683 B AU 4440797 A	29-01-1998
		AU 712157 B	28-10-1999
		AU 4532597 A	05-02-1998
ļ		AU 693775 B	09-07-1998
		AU 5732994 A	04-07-1994
		AU 692427 B	11-06-1998
•		AU 5733094 A	04-07-1994
		AU 691479 B	21-05-1998
		AU 5733194 A	04-07-1994
		AU 692428 B	11-06-1998
8		AU 5733294 A	04-07-1994
2		AU 5736394 A	04-07-1994
FORM P0459			

o For more details about this annex : see Official Journal of the European Patent Office, No. 12/82

ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO.

EP 00 10 5878

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

03-07-2000

Patent document cited in search report	Publication date		atent family member(s)	Publication date
US 5600364 A		AU 5845894 A		22-06-1994
		ΑU	5869894 A	04-07-1994
		AU	716184 B	24-02-2000
		AU	6066798 A	04-06-1998
		AU	716182 B	24-02-2000
		AU	6066898 A	04-06-1998
		BR	9307619 A	15-06-1999
		BR	9307620 A	10-08-1999
		BR	9307621 A	15-06-1999
		BR	9307622 A	15-06-1999
		BR	9307624 A	15-06-1999
		BR	9307625 A	31-08-1999
		CA	2151456 A	23-06-1994
		CA	2151457 A	23-06-1994
		CA	2151458 A	23-06-1994
		CA	2151459 A	23-06-1994
		CA	2151460 A	23-06-1994
		CA	2151461 A	09-06-1994
		CA	2151462 A	23-06-1994
		CN	1093211 A	05-10-1994

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82